

WBS	WBS L2	Activity Description	Status	ETC (AY\$)	BAC Total (AY\$)	Peg Points	PPC	Duration
2.0.1.1.1.3.5.28.2	2.0	Assemble cap bank and switch	Planned	\$54,048	\$54,048	No	0%	75d
2.0.1.1.1.3.5.32	2.0	Assemble switch supply regulators	Planned	\$43,238	\$43,238	No	0%	60d
2.0.1.1.1.3.8.1.3	2.0	Receive switcher cell parts	In Progress	\$13,496	\$65,886	No	80%	50d
2.0.1.1.1.4.13	2.0	Fabricate 43 new magnets	In Progress	\$21,346	\$205,045	No	90%	151d
2.0.1.1.1.14.26	2.0	Assemble IL magnet girders	In Progress	\$2,722	\$28,995	No	91%	44d
2.0.1.1.1.14.27	2.0	Assemble EL magnet girders	In Progress	\$4,416	\$27,450	No	85%	44d
2.0.1.1.1.14.29.3	2.0	MI-60 staging work	Planned	\$548,101	\$548,101	No	0%	150d
2.0.1.1.1.14.30.9	2.0	Engineering oversight	Planned	\$17,389	\$16,957	No	0%	50d
2.0.1.1.1.14.33.1.7	2.0	Engineering oversight	Planned	\$17,483	\$17,483	No	0%	45d
2.0.1.1.1.14.33.2.7	2.0	Engineering oversight	Planned	\$23,406	\$23,406	No	0%	45d
2.0.1.1.1.14.35.8	2.0	Engineering oversight	Planned	\$28,253	\$28,253	No	0%	60d
2.0.1.1.1.14.37.8	2.0	Engineering oversight	Planned	\$13,608	\$13,608	No	0%	80d
2.0.1.2.1.2.11	2.0	Storage of RR Inj kicker magnets under vacuum	In Progress	\$26,734	\$29,390	No	10%	200d
2.0.1.2.4.3.6	2.0	MI Inj Resonant Charger Procure	In Progress	\$55,255	\$94,759	No	60%	80d
2.0.1.3.2.1.4.3	2.0	Assemble detector chassis	Planned	\$14,022	\$13,380	No	0%	60d
2.0.1.3.2.4.1	2.0	Procure and fabricate multiwire cans	In Progress	\$32,402	\$66,424	No	50%	41d
2.0.1.3.2.4.2	2.0	Procure and fabricate multiwire lids	In Progress	\$26,046	\$53,395	No	50%	41d
2.0.1.3.2.4.3	2.0	Procure and fabricate internal parts	In Progress	\$7,871	\$16,136	No	50%	41d
2.0.1.3.2.4.4	2.0	Procure and fabricate motor drive assemblies	In Progress	\$6,627	\$13,585	No	50%	41d
2.0.1.3.2.4.5	2.0	Assemble can and wireplane system	Planned	\$14,207	\$14,207	No	0%	43d
2.0.1.3.2.5	2.0	Procure parts for 2 new toroids	In Progress	\$10,668	\$12,150	No	10%	41d
2.0.1.3.2.6	2.0	Assemble toroids	Planned	\$20,383	\$20,383	No	0%	86d
2.1.5.4.2.1	2.1	FESS/Engineering Support	In Progress	\$5,627	\$106,865	No	95%	200d
2.5.3.1.13	2.5	Fabricate and deliver module flatness QA/QC device	In Progress	\$3,310	\$31,717	No	90%	100d
2.5.3.1.15	2.5	Fabricate and deliver additional tooling, fixtures, and safety equipment	In Progress	\$112,748	\$115,952	No	3%	311d
2.5.3.2.6.14	2.5	Train module factory technicians	In Progress	\$21,267	\$77,726	No	75%	128d
2.5.3.2.6.15	2.5	Train module factory student technicians	In Progress	\$333,965	\$545,151	No	42%	712d
2.5.3.2.6.16	2.5	Train module factory student technicians - additional	Planned	\$194,928	\$189,219	No	0%	250d
2.5.3.2.8	2.5	Closeout factory space	Planned	\$52,363	\$50,210	No	0%	60d
2.5.3.3.4	2.5	Maintain module quality assurance tracking system	In Progress	\$40,998	\$92,176	No	47%	750d
2.6.1.1.13	2.6	Assemble and test heat sink assemblies	In Progress	\$93,458	\$101,694	No	12%	266d
2.6.1.1.14	2.6	Epoxy and test heat sinks	In Progress	\$33,886	\$34,784	No	3%	250d
2.6.1.3.51.5	2.6	Operate temperature reliability tester - Batch 1	Planned	\$4,382	\$4,382	No	0%	120d
2.6.1.3.51.6	2.6	Operate temperature reliability tester - Batch 2	Planned	\$2,239	\$2,239	No	0%	120d
2.6.1.3.51.7	2.6	Operate temperature reliability tester - Batch 3	Planned	\$2,296	\$2,296	No	0%	120d
2.6.1.3.51.8	2.6	Operate temperature reliability tester - Batch 4	Planned	\$2,296	\$2,296	No	0%	120d
2.6.1.3.51.9	2.6	Operate temperature reliability tester - Batch 5	Planned	\$2,308	\$2,308	No	0%	120d
2.6.1.3.52.5	2.6	Operate housing reliability tester	Planned	\$4,382	\$4,382	No	0%	120d
2.6.1.5.17.1	2.6	Prepare arrays for coating	In Progress	\$12,326	\$16,434	No	25%	80d
2.6.1.5.17.2	2.6	Coat arrays	In Progress	\$6,150	\$7,688	No	20%	80d
2.6.1.5.17.3	2.6	Retest arrays after coating	In Progress	\$7,012	\$8,765	No	20%	80d
2.6.1.5.17.4	2.6	Reinstall coated arrays	In Progress	\$0	\$0	No	10%	80d
2.6.1.5.17.5	2.6	Coat arrays (supplemental)	In Progress	\$2,115	\$2,832	No	25%	75d
2.6.2.2.4	2.6	FEB firmware final design	In Progress	\$9,496	\$31,669	No	70%	81d

WBS	WBS L2	Activity Description	Status	ETC (AY\$)	BAC Total (AY\$)	Peg Points	PPC	Duration
2.6.2.8.8	2.6	Documentation	In Progress	\$14,927	\$16,695	No	10%	85d
2.6.2.8.9	2.6	Administration	In Progress	\$18,417	\$20,598	No	10%	85d
2.7.1.3.2.7	2.7	Run control expert consultation - third release	In Progress	\$1,900	\$11,869	No	85%	144d
2.7.1.4.4.2	2.7	Write and perform tests-2nd release	In Progress	\$1,763	\$8,478	No	80%	126d
2.7.1.4.4.3	2.7	Define and implement error status codes for run control	In Progress	\$367	\$3,391	No	90%	126d
2.7.1.4.4.4	2.7	Implement monitoring and reporting of hardware error codes	In Progress	\$254	\$5,087	No	95%	126d
2.7.1.4.4.5	2.7	Implement upgrades for far detector data rates	In Progress	\$2,115	\$10,174	No	80%	126d
2.7.1.4.4.6	2.7	Debug data flow for 2nd release	In Progress	\$6,939	\$10,174	No	35%	126d
2.7.1.4.4.7	2.7	Update DCM application user documentation-2nd release	In Progress	\$3,385	\$3,391	No	5%	126d
2.7.1.7.4	2.7	Develop generic GUI framework for the DAQ monitoring system	In Progress	\$384	\$17,472	No	98%	50d
2.8.1.1.7	2.8	Final design of Near Detector cavern	In Progress	\$403,534	\$794,458	No	50%	63d
2.8.1.3.18	2.8	Tunnel outfitting design	In Progress	\$64,284	\$313,943	No	80%	65d
2.9.1.1.19	2.9	Spare vacuum cups	Planned	\$16,963	\$16,963	No	0%	60d
2.9.1.4.7	2.9	Oversee assembly of pivoter components	In Progress	\$8,899	\$29,581	No	70%	74d
2.9.1.4.18.7	2.9	Procure table top	In Progress	\$161,941	\$660,870	No	77%	72d
2.9.1.4.18.8	2.9	Procure miscellaneous parts	In Progress	\$42,237	\$141,445	No	70%	48d
2.9.1.6.1.2	2.9	Build assembly production leak tester	In Progress	\$98,491	\$109,139	No	10%	41d
2.9.1.6.1.3	2.9	Build block leak tester	Planned	\$50,588	\$50,588	No	0%	43d
2.9.1.6.2.2	2.9	Setup and develop procedures	Planned	\$7,946	\$7,583	No	0%	43d
2.9.1.6.2.3.2	2.9	Initial design	Planned	\$27,785	\$27,785	No	0%	60d
2.9.1.6.2.3.4	2.9	Construct full system at Ash River	Planned	\$19,910	\$19,910	No	0%	43d
2.9.1.6.2.3.5	2.9	First implementation during assembly	Planned	\$19,910	\$19,910	No	0%	42d
2.9.1.6.2.3.6	2.9	Support during assembly	Planned	\$45,413	\$44,894	No	0%	144d
2.9.2.3.6	2.9	Assemble and test structure monitoring equipment-supplemental	Planned	\$31,102	\$30,365	No	0%	85d
2.9.2.3.7	2.9	Procure stress monitors-supplemental	Planned	\$102,714	\$102,714	No	0%	60d
2.9.2.3.8	2.9	Procure pressure monitors-supplemental	Planned	\$104,350	\$104,350	No	0%	60d
2.9.3.2.4	2.9	Install main distribution lines (supplemental)	In Progress	\$16,221	\$24,955	No	35%	60d
2.9.3.2.5	2.9	Install main distribution lines (supplemental MandS)	In Progress	\$30,927	\$41,237	No	25%	80d
2.9.3.4.5	2.9	Install main vent lines (supplemental)	In Progress	\$14,363	\$22,097	No	35%	60d
2.9.4.1.14	2.9	Procure and setup material handling equipment (supplemental)	In Progress	\$3,115	\$4,793	No	35%	60d
2.9.4.1.15	2.9	Electrical and ventilation modifications	In Progress	\$14,363	\$22,097	No	35%	60d
2.9.4.1.17.5	2.9	Shelving	Planned	\$27,658	\$27,658	No	0%	41d
2.9.4.1.18	2.9	Building modifications	Planned	\$105,139	\$105,139	No	0%	82d
2.9.4.1.20	2.9	APD Room Electrical, Ventilation, and Painting	Planned	\$31,452	\$31,452	No	0%	43d
2.9.4.1.21	2.9	Unistrut and cable trays	Planned	\$37,742	\$37,742	No	0%	43d
2.9.4.3.3	2.9	Assemble and mount block 1	Planned	\$190,115	\$101,329	No	0%	50d
2.9.4.5.0.1	2.9	Procure tools and equipment for APD preparation room	Planned	\$9,283	\$9,283	No	0%	55d
2.9.4.5.0.2	2.9	Set up APD preparation room	Planned	\$2,573	\$2,573	No	0%	65d
2.9.4.8.12	2.9	Measure demonstration block long-term deformations	Planned	\$21,658	\$21,658	No	0%	142d
2.9.5.5.9	2.9	ANL Assembly Support-FY12	In Progress	\$137,125	\$168,583	No	19%	209d
2.9.6.3	2.9	Procure shop tools	In Progress	\$6,158	\$22,947	No	75%	42d
2.9.6.4	2.9	Procure safety equipment	In Progress	\$9,092	\$35,553	No	75%	64d